

**Focus Report**  
New Chemicals Program  
PMN Number: **P-09-0211**

Focus Date: 02/26/2009 12:00:00 AM Report Status: Completed  
Consolidated Set:  
Focus Chair: Geraldine Hilton Contractor: Barbara Fricks

**I. Notice Information**

Submitter: [REDACTED] CAS Number: [REDACTED]  
Chemical Name: [REDACTED]  
Use: [REDACTED]  
  
Other Uses: No other uses were found.  
PV-Max: [REDACTED]  
Manufacture: X Import:

**II. SAT Results**

(1) Health Rating: 2 Eco Rating: 3 Comments: ;  
  
Occupational: 1B Non-Occupational: NR Environmental: NR  
  
(1) PBT: 1 1 2 Comments:

**III. OTHER FACTORS**

**Categories:**

Health Chemical Category: Ecotox Category: [REDACTED] aliphatic amines, [REDACTED]

**Related Cases/Regulatory History:**

Health related Cases: [REDACTED]  
Ecotox Related Cases: [REDACTED]  
Regulatory History: [REDACTED]

**MSDS/Label Information:**

MSDS: [REDACTED] Label: No  
General Equipment: [REDACTED]  
Respirator: [REDACTED]

Health Effects: [REDACTED]  
TLV/PEL (PMN or raw material): - none established for the PMN product

**Exposure Based Information:**

Exposure Based Review: Y Exposure Based Review (Health): Y  
Exposure Based Review (Eco): Y Exposure Based (Occupational): No  
Exposure Based Review (Non Occupational): Exposure Based (Environmental):

**IV. Summary of SAT Assessment**

**Fate:**

Fate Summary: P-09-0211  
FATE: Estimations for [REDACTED]  
Solid with MP = 271 EC (E)

log Kow = 3.56 (E);  
S = Disp./9.24 mg/L at 25 EC (ICB/E)  
VP < 1.0E-6 torr at 25 EC (E)  
BP > 400 EC (E)  
H < 1.00E-8 (E)  
log Koc = 5.05 (E)  
log Fish BCF = 1.85 (E)  
POTW removal (%) = 90 via sorption  
Time for complete ultimate aerobic biodeg = wk  
Sorption to soils/sediments = v.strong  
PBT Potential: P1B1  
\*CEB FATE: Migration to ground water = negl

## Health:

### Health Summary:

Absorption is nil through the skin based on physical/chemical properties and poor the GI tract and moderate through the lungs based on analogs. Expect poor hydrolysis of the [REDACTED]. The PMN compound has [REDACTED] which raises concern for lung effects if respirable particles or droplets are inhaled and concern for irritation ([REDACTED] and a quaternary). There is uncertain concern for neurotoxicity for the quaternary.

## Ecotox:

### Ecotox Values:

Fish 96-h LC50:	6.4(P)
Daphnid 48-h LC50:	1.3(P)
Green algal 96-h EC50:	2.2(P)
Fish Chronic Value:	0.19(P)
Daphnid ChV:	0.040(P)
Algal ChV:	0.25(P)

**Ecotox values comments:** Predictions are based on SARs for [REDACTED], aliphatic amines, and [REDACTED]; SAR chemical class = [REDACTED], aliphatic amine, [REDACTED]-cationic-quaternary [REDACTED]; [REDACTED]; log Kow = 3.56 ([REDACTED] solid with unknown mp; S = dispersible in water at 20 °C (P); pH7; effective concentrations based on 100% active ingredients and mean measured concentrations; hardness <150.0 mg/L as CaCO3; and TOC <2.0 mg/L;

### Ecotox Factors:

Assessment Factor:	10
Concern Concentration:	4

## **V. Summary of Exposures/Releases**

Engineering Summary: P-09-0211

<b>Exposures/Releases</b>	<b>Release</b>	<b>Release</b>	<b>Release</b>
<b>Scenario</b>			
<b>Sites</b>			
<b>Media</b>			
Descriptor A	Conservative	High End	Output 2
Quantity A (kg/site/day)			
Frequency A (day/year)			
Descriptor B			
Quantity B (kg/site/day)			
Frequency B (day/year)			
From			
Workers			
Exposure Type			

<b>Engineering Summary: Exposures/Releases</b>	<b>Exposure</b>	<b>Exposure</b>	<b>Exposure</b>
<b>Scenario</b>			
<b>Sites</b>			
<b>Media</b>			
Descriptor A	High End	High End	High End
Quantity A (kg/site/day)			
Frequency A (day/year)			
Descriptor B			
Quantity B (kg/site/day)			
Frequency B (day/year)			
From			
Workers			
Exposure Type			

## **V. Summary of Exposures/Releases**

Engineering Summary: P-09-0211

<b>Exposures/Releases</b>	<b>Exposure</b>		
<b>Scenario</b>			
<b>Sites</b>			
<b>Media</b>			
Descriptor A	High End		
Quantity A (kg/site/day)			
Frequency A (day/year)			
Descriptor B			
Quantity B (kg/site/day)			
Frequency B (day/year)			
From			
Workers			
Exposure Type			

## **VI. Focus Decision and Rationale**

### **Regulatory Actions**

Regulatory Decision: PMN Drop

Decision Date: 02/26/2009

Type of Decision:

Rationale:

P09-0211 was dropped from further review. Moderate health concerns were adequately addressed with the PPE listed in the MSDS. RAD requested an exposure based review for inhalation, but no criteria were met. High concerns for ecotoxicity were mitigated by no releases to water. An exposure based review was requested for ecotoxicity, but no criteria were met. This was an EAB Drop.

Summary of Exposures and Releases:

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

P2 Rec Comments:

**Testing:**

**Final Recommended:**

Health:

Eco:

Fate:

Other:

## SAT Report

PMN Number: **P-09-0211**

SAT Date: **2/20/2009**

Print Date: **3/10/2015**

### Related cases:

Health related cases: [REDACTED]

Ecotox related cases: [REDACTED]

### Concern levels:

Type of Concern:	<u>Health</u>	<u>Eco</u>	<u>Comments</u>
Level of Concern:	2	3	

<u>Persistence</u>	<u>Bioaccum</u>	<u>Toxicity</u>	<u>Comments</u>
1	1	2	
		Awaiting	
		Human Health	
		Entry	
		Awaiting	
		Human Health	
		Entry	
		Awaiting	
		Human Health	
		Entry	

### Exposure Based Review:

**Health:** Yes

**Ecotox:** Yes

### Routes of exposure:

**Health:** Dermal and inhalation.

**Ecotox:** All releases to water

**Fate:** ;

### Keywords:

**Keywords:**

### Summary of Assessment:

#### Fate:

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### Ecotox:

Test Organism	Test Type	Test End Point	Predicted	Measured	Comments
fish	96-h	LC50	6.4		
daphnid	48-h	LC50	1.3		
green algal	96-h	EC50	2.2		
fish	—	chronic value	0.19		
daphnid	—	chronic value	0.040		
algal	—	chronic value	0.25		
Sewage Sludge	3-h	EC50	—		
Sewage Sludge	—	Chronic Value	—		

### Ecotox Values Comments:

Factors	Values	Comments
Assessment Factor	10	
Concentration of Concern (ppb)	4	
SARs	[REDACTED] aliphatic amines, [REDACTED]	
SAR Class	[REDACTED], aliphatic amine, [REDACTED] t-cationic-quat- [REDACTED]	

Ecotox Category		

**Ecotox Factors Comments:**

**SAT Chair:** L Keifer 564-8916